

	L #	Hits	Search Text	DBs	Time Stamp
1	L1	98	green adj (compact compress\$4)with electrode	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/06/29 12:50
2	L2	670	(mold molded molding)near(compact compress\$4)with electrode	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/06/29 12:53
3	L3	16	1 same (working adj (fluid liquid) kerosene kerosine oil lubricant petroleum paraffin)	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/06/29 12:56
4	L4	5	(1 and (working adj (fluid liquid) kerosene kerosine oil lubricant petroleum paraffin))not 3	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/06/29 12:57

update - 09/462,631



13

ft. 1/4/00 → 37 10/9/98 → 52 5/13/98

3

	Document ID	Issue Date	Title	Current OR	Inventor
1	US 20010027749 A1	20011011	Method and device for discharge processing	118/308	Kinbara, Yoshihide
2	US 20010013508 A1 [0027] metal electrode	20010816	Method of surface treatment using electric discharge and an electrode	219/69.17	Goto, Akihiro et al. + more
3	US 6492611 B2	20021210	Method of surface treatment using electric discharge and an electrode	219/69.17	Goto, Akihiro et al. + more

Yamada + Goto

↑  
↓ =

	Document ID	Issue Date	Title	Current OR	Inventor
4	US 6441333 B1	20020827	Green compact electrode for discharge surface treatment and method of manufacturing green compact electrode for discharge surface treatment	219/69.15	Goto, Akihiro et al. +Mero
5	US 6437278 B1	20020820	Green compact electrode for discharge surface treatment	219/69.15	Inoue, Tooru et al. +Goto
6	US 6348668 B1	20020219	Method and apparatus for treating surface of tool	219/69.17	Moro, Toshio et al. +Goto
7	US 6086684 A	20000711	Electric discharge surface treating method and apparatus	148/220	Saito, Nagao et al. Goto

	Document ID	Issue Date	Title	Current OR	Inventor
8	US 5858479 A	19990112	Surface treating method by electric discharge	427/580	Saito, Nagao et al.
9	US 4396482 A	19830802	Composite cathode	204/247.3	Das, Subodh K. et al.
10	US 4308114 A	19811229	Electrolytic production of aluminum using a composite cathode	205/380	Das, Subodh K. et al.
11	JP 11000827 A	19990106	ELECTRIC DISCHARGE SURFACE TREATING METHOD		SAITO, NAGAO et al.
12	JP 01215909 A	19890829	MANUFACTURE OF METALLIC FIBER POROUS BODY		INOUE, KIYOSHI

+6062

→

*[Handwritten signature]*

*pull 1*

*Pitch binder*

*(D25) Graphite electrodes mixed w/ pitch binder*

*use*

*[Handwritten mark]*

*Sulid Lubricant re compact (MS)*

6

	Document ID	Issue Date	Title	Current OR	Inventor
13	WO 9958282 A1	19991118	ELECTRO DE OF GREEN COMPACT FOR DISCHAR GE SURFACE TREATME NT, METHOD OF PRODUCI NG THE SAME, METHOD OF DISCHAR GE SURFACE TREATME NT, APPARAT US THEREFO R, AND METHOD OF RECYCLI NG ELECTRO DE OF		YAMADA, HISASHI et al.

parent  
PCT

	Document ID	Issue Date	Title	Current OR	Inventor
14	WO 200029159 A	20000525	Discharge surface treating method comprises generating a discharge by applying a pulse voltage between a work and a green compact electrode produced by compacting a powder material containing		GOTO, A et al.
15	<del>US 20010013508 A</del>	20021210	Discharge surface treating method comprises forming a hard coating of electrode material		GOTO, A et al.

*uses the Oos  
unblended  
in compact*

	Document ID	Issue Date	Title	Current OR	Inventor
16	WO 9958282 A	1999111 8	Electro de of green compact for dischar ge surface treatme nt to form hard film on workpie ce surface		GOTO, A et al.

19

	Document ID	Issue Date	Title	Current OR	Inventor
1	US 6437278 B1	<i>re issue of disc not elected</i> 20020820	Green compact electrode for discharge surface treatment	219/69.15	Inoue, Tooru et al. <i>Get</i>
2	US 6033722 A	20000307	Method for manufacturing electrode	427/58	Koike, Takeshi et al.
3	JP 1028405 1 A	19981023	ELECTRODE USED FOR NONAQUEOUS SECONDARY BATTERY AND MANUFACTURE THEREOF		YAMAMOTO, YUJIRO

*have*

	Document ID	Issue Date	Title	Current OR	Inventor
4	WO 9958282 A1	19991118	ELECTRO DE OF GREEN COMPACT FOR DISCHAR GE SURFACE TREATME NT, METHOD OF PRODUCI NG THE SAME, METHOD OF DISCHAR GE SURFACE TREATME NT, APPARAT US THEREFO R, AND METHOD OF RECYCLI NG ELECTRO DE OF		YAMADA, HISASHI et al.

	L #	Hits	Search Text	DBs	Time Stamp
5	L3	16	1 same (working adj (fluid liquid) kerosene kerosine oil lubricant petroleum paraffin)	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/06/2 9 12:58
6	L4	5	(1 and (working adj (fluid liquid) kerosene kerosine oil lubricant petroleum paraffin)) not 3	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/06/2 9 13:55
7	L6	17	5 not 3	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/06/2 9 14:22
8	L8	2	((1 or 2) with pitch) not (3 or 5)	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/06/2 9 15:42

additions

	L #	Hits	Search Text	DBs	Time Stamp
9	L9	4	((1 or 2) with (recycle\$2 reuse\$2 reusing recycling))	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM_ TDB	2003/06/2 9 14:28
10	L10	24	((1 or 2) with water)not (3 or 5)	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM_ TDB	2003/06/2 9 15:42
11	L11	24	10 not(8 or 9)	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM_ TDB	2003/06/2 9 15:43